Contents Volume 79, 1993

Introduction 1
The range limit of boreal tree species in Québec-Labrador: an ecological and palaeoecological interpretation
S. Payette 7
Origine et dynamique postglaciaire de la forêt mixte au Québec
P.J.H. Richard 31
Holocene forest dynamics with respect to southern Ontario
K.D. Bennett 69
Methodological falsification and the interpretation of palaeoecological records: the cause of the early Holocene birch decline in western Canada
G.M. MacDonald 83
The palynological record of Late-Quaternary arctic tree-line in northwest Canada
R.W. Spear 99
The abundance of exotic western hemlock pollen at Waterdevil Lake, White Pass, northern British Columbia: a preliminary analysis
L.C. Cwynar 113
Late Tertiary mosses of Ellesmere Island
L. Ovenden 121
Application of aeropalynological principles in palaeoecology
C.A. Rogers 133
The role of paleoecology in the study of global climatic change
K. Gajewski 141
Quaternary palaeoecology and vegetation science— current contributions and possible future developments
H.J.B. Birks 153
Dinoflagellate assemblages and sea-level fluctuations in the Maastrichtian of southwest Georgia
J.V. Firth 179
Pollen morphology and ultrastructure of the Corystospermales: permineralized in situ grains from the Triassic of Antarctica
J.M. Osborn and T.N. Taylor 205
Structure and ontogeny of *Vertebraria* from silicified Permian sediments in East Antarctica
P.G. Neish, A.N. Drinnan and D.J. Cantrill 221
Ordovician chitinozoan zones from Baltoscandia
J. Nõlvak and Y. Grahn 245
The genus *Czekanowskia* Heer: principles of systematics, range in space and time
V.A. Samylina and A.I. Kiritchkova 271
Early and Middle Pleistocene pollen stratigraphy from British Geological Survey borehole 81/26, Fladen Ground, central North Sea
S.R. Ekman and J.D. Scourse 285
Pollen of *Scutinanthe brunnea* compared with other burseraceous pollen types: a remarkable case of divergence
P.J. Segaar and R.W.J.M. van der Ham 297
Atmospheric pollen content off West Africa
M. Calleja, M. Rossignol-Strick and D. Duzer 335
The Biology and Evolution of Fossil Plants, by T.N. Taylor and E.L. Taylor — H. Kerp 369
Taxodiaceous Conifers from the Upper Cretaceous of Sweden, by V. Srinivasan and E.M. Friis — V.A. Krassilov 370
Silvianthemum sueciecum, *Gen. et Sp. Nov., A New Saxifragalean Flower from the Late Cretaceous of Sweden*, by E.M. Friis — V.A. Krassilov 370